LIBRARY
MAR 11 1958
WEATHER BUREAU

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: 2^h 21^m 52^s.7 E.

OCTOBER 1957

Printed at the American Press.

OCTOBER 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	61.9	61.7	61.7	61.8	28.3	22.6	25.4	28.0	24.3	25.9
2	61.7	60.7	60.9	61.1	28.5	22.4	25.2	28.0	24.7	26.0
3	60.8	60.0	60.0	60.3	28.1	22.2	25.0	27.8	24.3	25.7
4	60.4	59.1	59.2	59.6	28.0	22.7	24.4	27.2	24.6	25.4
5	59.8	59.0	59.0	59.3	28.3	23.2	25.0	27.6	24.9	25.8
6	59.4	58.4	58.9	58.9	29.7	23.5	25.1	29.1	25.4	26.5
7	60.2	59.5	59.7	59.8	30.1	22.9	25.8	29.0	25.2	26.7
8	59.2	58.1	57.7	58.3	29.5	21.8	24.2	29.2	24.4	25.9
9	58.3	57.5	57.8	57.9	28.2	22.3	25.0	27.1	24.7	25.6
10	58 5	58.2	60.1	58.9	28.9	22.4	24.0	28.6	24.4	25.7
11	61.2	60.8	61.5	61.2	28.0	21.4	24.2	27.6	24.0	25.3
12	63.0	62.3	62.1	62.5	25.9	21.7	23.5	26.5	23.0	24.3
13	62.2	61.0	61.2	61.5	28.4	22.5	24.7	27.4	24.3	25.5
14	61.0	59.8	60.3	60.4	28.0	22.9	24.1	26.7	24.2	25.0
15	59.7	59.1	59.4	59.4	27.7	21.6	25.1	25.8	24.0	25.0
16	59.3	58.5	59.2	59.0	27.2	20.7	23·9	26.8	22.9	24.5
17	58.8	58.2	59.0	58.7	26.6	20.0	22.7	26.0	21.8	23.5
18	60.9	60.6	61.9	61.1	26.3	21.6	23.2	25.4	23.0	23.9
19	61.2	59.8	59.7	60.2	27.6	24.2	24.7	26.5	27.3	26.2
20	60.0	63.6	62.3	62.0	29.8	19.0	27.0	20.5	21.7	23.1
21	60.7	59.7	60.1	60.2	26.8	17.7	22.6	26.0	20.0	22.9
22	58.5	57.9	59.2	58.5	24.2	18.6	21.1	19.2	19.4	19.9
23	60.5	60.0	60.9	60.5	24.4	19.8	21.1	23.5	21.8	22.1
24	62.5	61.6	62.3	62.1	25.6	21.6	22.0	24.6	23.5	23.4
25	63.0	62.3	63.3	62.9	26.9	21.4	23 7	26.2	23.3	24.4
26	62.8	62.2	62.9	62.6	25.3	20.2	23.0	24.7	22.5	23.4
27	61.3	59.8	60.3	60.5	25.4	21.3	22.2	24.7	22.4	23.1
28	59.3	57.8	58.8	58.6	26.0	22.7	22.7	25.5	24.0	24.1
29	60.8	60.1	60.7	60 3	28.0	23.6	25.4	27.2	27.4	26.7
30	62.0	61.6	60.9	61.5	29.5	22.9	26.9	26.2	23.8	25.6
31	61.8	60.7	60.4	61.0	28.4	22.9	24.5	26.6	23.9	25.0
	60.67	59.99	60.37	60.34	27.57	21.75	24.11	26.30	23.71	24.71

Barometer, range for month 763.6 mm. — 757.5 mm.
„ 71-yr. average for month 761.31 mm.
Thermometer, range for month 30.1°C — 17.7°C
„ 71-yr. average for month 24.51°C
Rain total for month 42.89 mm.
„ 71-yr average for month 50.02 mm.
„ Total, Sept. 1st. to end of month 46.64 mm.
„ 71-yr average. Sept. 1st. to end of month 56.21 mm.

OCTOBER 1957

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	22.8	22.4	23.7	23.0	69	60	77	69	8.1	357	
2	21.9	22.4	23.7	22.7	69	60	77	69	9.0	322	
3	21.9	23.7	24.4	23.3	68	64	80	71	9.5	259	
4	21.7	25.6	25.7	24.3	71	71	83	75	9.5	605	
5	22.6	27.3	26.6	25.5	71	73	84	76	9.3	510	
6	25.3	29.3	29.8	28.1	80	73	90	81	9.1	269	
7	25.5	30.9	30.2	28.9	79	78	94	84	9.1	68	
8	26.2	29.3	27.8	27.8	88	74	98	87	8.9	206	
9	23.9	24.9	24.4	24.4	76	69	79	75	6.8	394	
10	20.9	24.7	23.7	23.1	71	64	77	71	7.0	233	1.94
11	19.0	19.7	15.5	18.1	65	52	54	57	9.2	336	
12	14.2	12.7	14.6	13.8	50	35	54	46	9.3	267	
13	14.5	17.0	19.8	17.1	47	46	64	52	6.7	298	
14	20.3	13.2	11.5	16.3	69	37	54	53	0.2	290	0.20
15	11.8	16.5	17.8	15.4	38	51	61	50	2.5	309	
16	17.8	20.0	19.3	19.0	61	57	70	63	9.9	232	
17	19.3	16.7	17.8	17.9	71	48	70	63	3.6	257	
18	16.5	19.6	19.3	18.5	56	60	70	62	9.0	291	
19	20.5	21.9	14.0	18.8	66	62	38	55	4.7	274	
20	17.0	21.7	20.8	19 8	47	90	81	73	3.6	322	10.70
21	16.4	21.1	19.2	18.9	60	61	83	68	8.8	391	8.80
22	17.7	19.5	20.8	19.3	71	88	91	83	3.6	370	19.60
23	18.3	19.5	18.4	18.7	73	68	71	71	8.8	187	
24	18.0	21.7	22.6	20.8	67	71	78	72	9.8	314	
25	19.7	23.0	22.6	21.8	67	71	79	72	9.8	364	
26	21.8	23.0	23.5	22.8	78	76	86	80	6.1	299	
27	19.8	21.7	22.9	21.5	74	71	84	76	10.0	378	
28	19.9	24.1	20 9	21.6	72	73	71	72	9.0	275	
29	16.5	19.5	12.2	16.1	50	52	33	45	8.7	335	
30	20.6	21.7	24.8	22 4	59	65	84	69	4.5	441	1.65
31	21.1	24 6	16.0	20.6	70	70	54	65	9.5	259	
	19.79	21.90	21.23	20.98	66.2	64.2	73.2	67.9	7.53	313.29	1.38

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

OCTOBER 1957

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9ci-st	2cu-st	0	3.7	2n	3ne	3ne	light	
2	1cu	6ci	10st	5.7	2e	2ne	3n	,,	
3	1cu-st	0	5cu-st	2.0	2nw	3ne	3ne	,,	Tr.a.m
4	0	1ci	0	0.3	2w	3n	3ne	,,	
5	0	0	0	0.0	2ne	3n	3ne	,,	D.p.m
6	0	0	0	0.0	2ne	2ne	2ne	light	D.a.m.p.m.Ha.m
7	0	0	0	0.0	2sw	2w	0	,,	H.D.a.m.p.m
8	0	0	0	0.0	2sw	2w	1w	,,	D.a.m.p.m
9	2ci	10st	10st	7.3	3sw	3sw	2sw	,,	
10	10st	3cu-ci	4cu-st	5.7	2sw	3sw	2sw	,,	
11	0	1cu	0	0.3	2e	3n	3ne	light	
12	0	0	0	0.0	2ne	2n	2s	,,	
13	10cu-ci	6ci-st	0	5.3	2sw	2n	3n	,,	
14	10st	10st	10st	10.0	2sw	2s	2ne	,,	
15	10ci-st	10st	10st	10.0	2s	3nw	2s	,,	
16	2cu-ci	8cu-ci	10st	6.7	2sw	2n	2ne	light	
17	10st	10ci-st	0	6.7	2sw	2sw	2n	,,	
18	2cu-ci	10ci-st	0	4.0	2s	2n	3ne	,,	
19	10ci-st	10st	10st	10.0	2ne	2ne	1ne	,,	
20	10st	10ni	10st	10.0	2sw	3sw	3se	,,	Hail.p.m
21	6ci	6cu-ci	8st	6.7	2se	3sw	2sw	light	
22	10st	10ni	10ni	10.0	2s	3sw	2sw	,,	
23	0	10ci	0	3.3	2ne	2n	2ne	,,	
24	2ci	0	0	0.7	2ne	2ne	2ne	,,	
25	5ci	10ci	0	5.0	2sw	2sw	2ne	,,	
26	10ci-st	10ci	3cu-st	7.7	2ne	2ne	2ne	light	D.a.m.p.m
27	0	0	0	0.0	2n	2n	2ne	,,	D.a.m.p.m
28	4ci	6ci	8ci	6.0	2nw	2ne	2ne	,,	D.a.m
29	10ci	7ci	8ci	8.3	2e	2e	2e	,,	
30	10st	8ci	6ci	8.0	3sw	4ne	3ne	slight	
31	0	0	5ci	1.7	2sw	2nw	1e	light	
	mean			4.68					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	7	3	1	3	12	1	2	0	31
14:30	9	9	1	0	1	7	2	2	0	31
20:30	3	17	2	1	2	4	1	0	1	31
Total	14	33	6	2	6	23	4	4	1	93

Number of days with rain 6, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.84
Time of reading minus 2 hours equals G.C.T